

REMARKS

Claims 1-15, 17, and 20-24 have been cancelled. Claims 16, 18, 25, and 26 have been amended. New Claims 27-54 have been added.

Claim Objections:

Claims 5, 7-16, 18-19, and 25-26 were objected to because of informalities. Claims 5, and 7-15 have been cancelled, thus objection to those claims is rendered moot. As for the remaining claims, Applicant has amended claims 16, 18 and 26 to correct the informalities cited by the examiner. Therefore, removal of the objections to these claims is respectfully requested.

Allowable Subject Matter:

The Office Action objected to claims 2-4, 6-7, 10-12 and 21, as being dependent upon a rejected base claim, but indicated that these claims would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicant appreciates the allowed subject matter, but also believes that the claims as currently presented are patentably distinct over Kraus (U.S. 5,852,376). However, in order to expedite prosecution, Applicant has cancelled claims 1-15, 17, and 20-24, and added new claims 27-54 to capture the allowed subject matter. More specifically, new independent claim 27 includes the limitations of previously presented claims 1 and 7, new independent claim 34 includes the limitations of previously presented claims 9 and 10, new independent claim 40 includes the limitations of previously presented claims 1 and 2, new independent claim 47 includes the limitations of previously presented claims 1 and 6, and new independent claim 50 includes the limitations of previously presented claims 1 and 7. Applicant respectfully submits that no new matter has been entered in the new claims, and so the new claims do not raise any

new issues. In addition, Applicant reserves the right to pursue the previously claimed subject matter in a continuation application.

35 U.S.C. § 103 Rejection:

Claim 16, 18-19, and 25-26 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Kraus. Claims 16, 18-19, and 25-26 were also rejected under 35 U.S.C. § 103(a) being unpatentable over Nakai.

Applicant has amended claim 16 to more clearly and distinctly claim the subject matter that the Applicant regards as the invention.

As currently amended, independent claim 16 recites:

16. A method comprising:
generating a constant reference voltage;
generating a threshold voltage component, wherein the threshold voltage component approximates a threshold voltage of an NMOS process over variations in operating temperature and/or variations in transistor fabrication parameters;
generating a composite voltage that is a sum of the constant reference voltage and the threshold voltage component; and
applying the composite voltage to a gate of a tail current transistor of a differential input stage, thereby producing an offset voltage of the differential input stage that is substantially independent of the operating temperature and/or the variations in transistor fabrication parameters;
wherein the offset voltage of the differential input stage is proportional to the constant reference voltage.

The cited reference does not teach or suggest a differential input stage with an offset voltage that is “proportional to the constant reference voltage”. Applicant would

like to point out that the proportionality of an offset voltage to the constant reference voltage, as recited in claim 16, is neither characteristic of the cited circuit in Fig. 6 of Kraus, nor of the cited circuit in Fig. 2 of Nakai. In fact, the offset voltage associated with the cited circuits in both Kraus and Nakai is zero.

For at least these reasons, Applicant submits that the combinations of features recited in independent claim 16 are neither anticipated nor rendered obvious by Kraus and Nakai. Accordingly, Applicant respectfully requests removal of the 35 U.S.C. § 103(a) rejection. Applicant further submits that claims 18-19, and 25-26 are allowable based on their dependence on allowable claim 16.

CONCLUSION

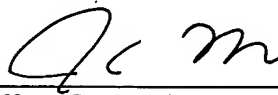
Applicant submits the application is in condition for allowance, and an early notice to that effect is requested.

If any extensions of time (under 37 C.F.R. § 1.136) are necessary to prevent the above referenced application(s) from becoming abandoned, Applicant(s) hereby petition for such extensions. If any fees are due, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel PC Deposit Account No. 50-1505/5707-04100/JCH.

Also enclosed herewith are the following items:

- ☒ Return Receipt Postcard
- ☐ Request for Approval of Drawing Changes
- ☐ Notice of Change of Address
- ☐ Check in the amount of \$ for fees ().
- ☐ Other:

Respectfully submitted,



Jeffrey C. Hood
Reg. No. 35,198
ATTORNEY FOR APPLICANT(S)

Meyertons, Hood, Kivlin, Kowert & Goetzel PC
P.O. Box 398
Austin, TX 78767-0398
Phone: (512) 853-8800
Date: 9/30/2005 JCH/TAK